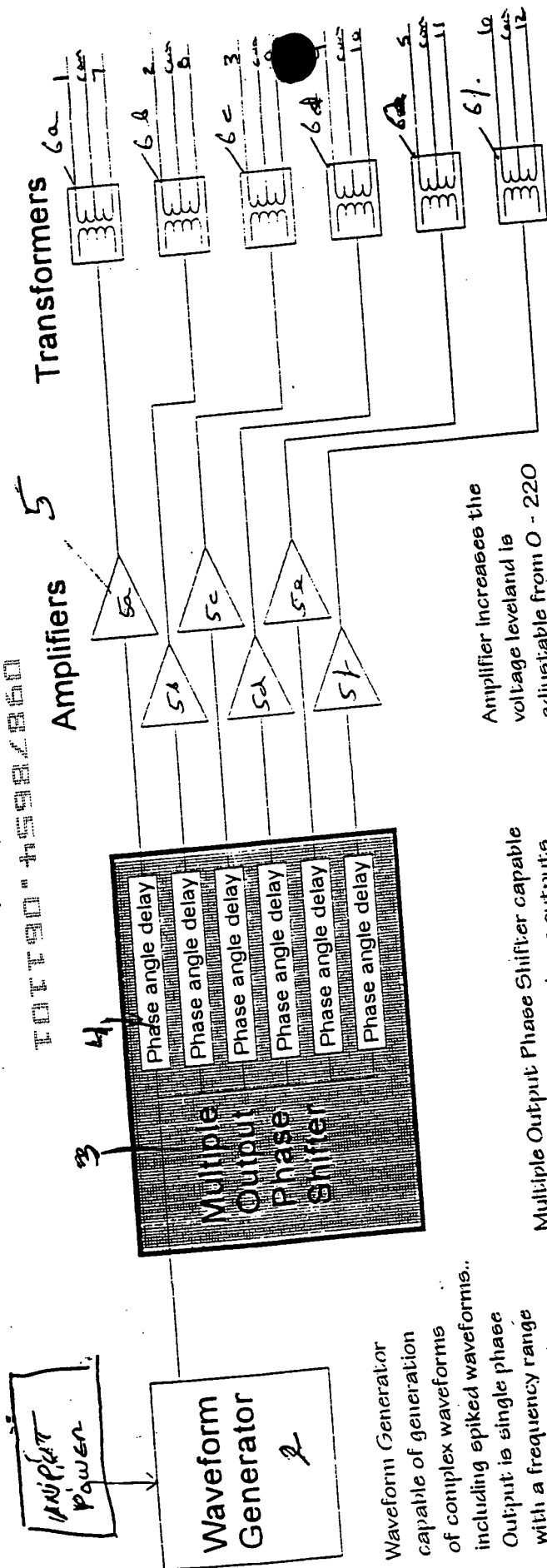


FIG. 1

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Waveform Generator capable of generation of complex waveforms including epiked waveforms. Output is single phase with a frequency range of 5-2,000,000 Hz. Generator may also modify the waveform as necessary, or may provide a time period at zero voltage.

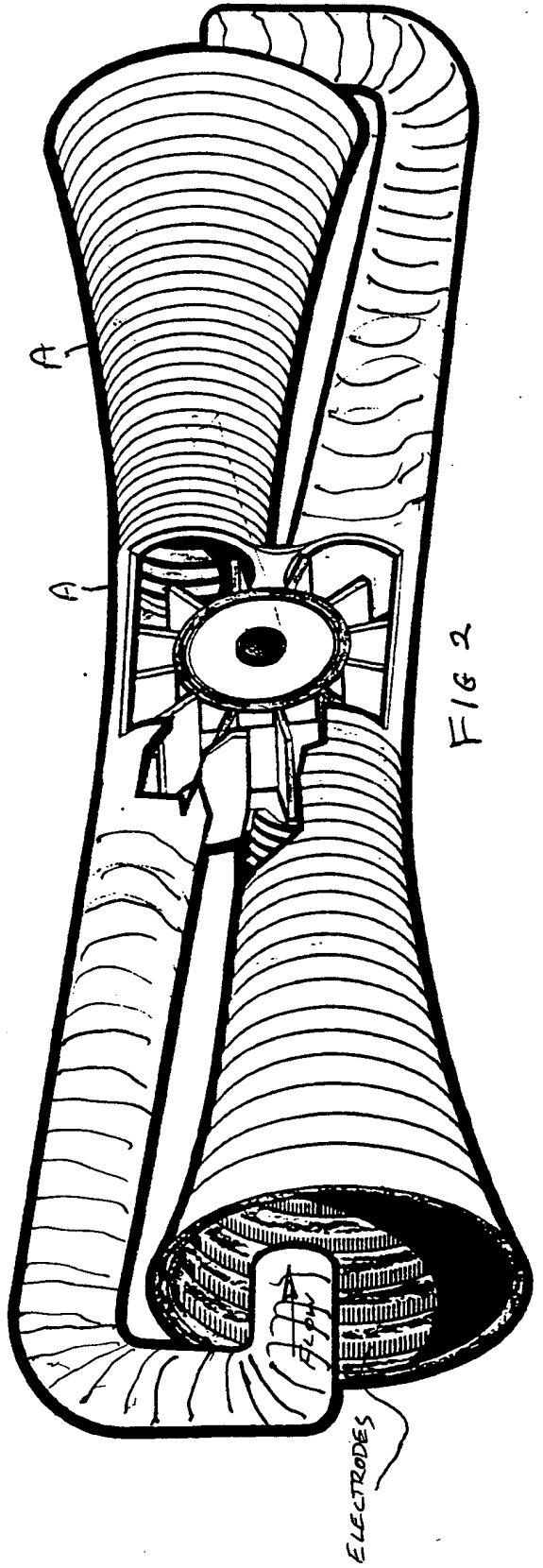
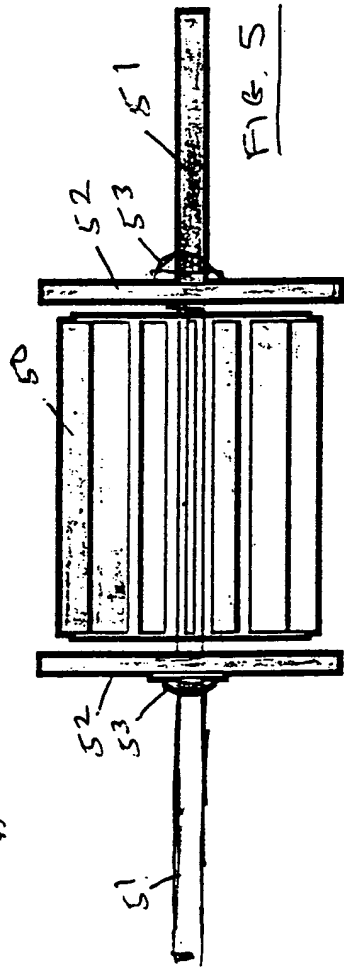
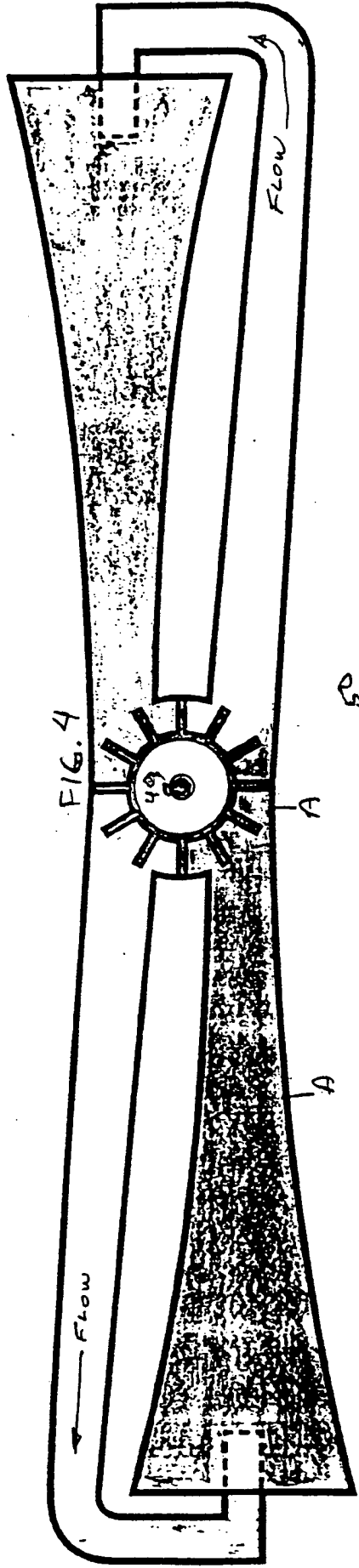
Multiple Output Phase Shifter capable of generating multiple phase outputs varying from 1 phase to 6 phase. The total number of degrees of phase shift between individual outputs is independently variable on each output.

Amplifier increases the voltage level and is adjustable from 0 - 220 volts. Wave shape or phase angle is not affected by the amplification.

Transformer increases the output voltage of the amplifier to a maximum voltage of 40,000 volts. This increase is possible with no significant effect on the wave shape or phase angle.

FIG. 1

"POWER SUPPLY"



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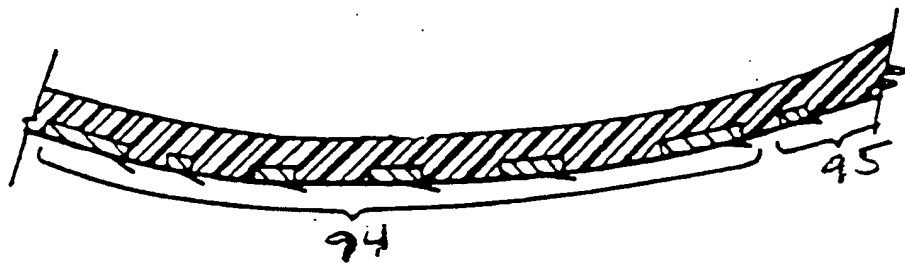


FIG 3

TOP SECRET 4598/860

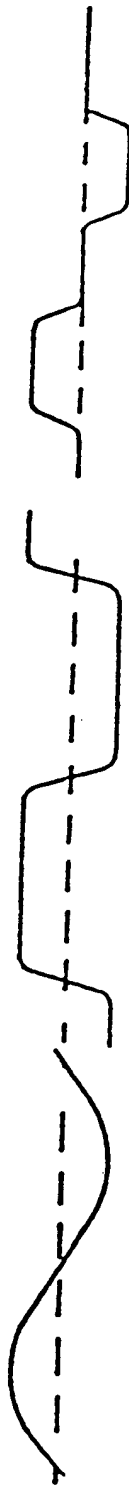


FIG. 6

FIG. 7

FIG. 8

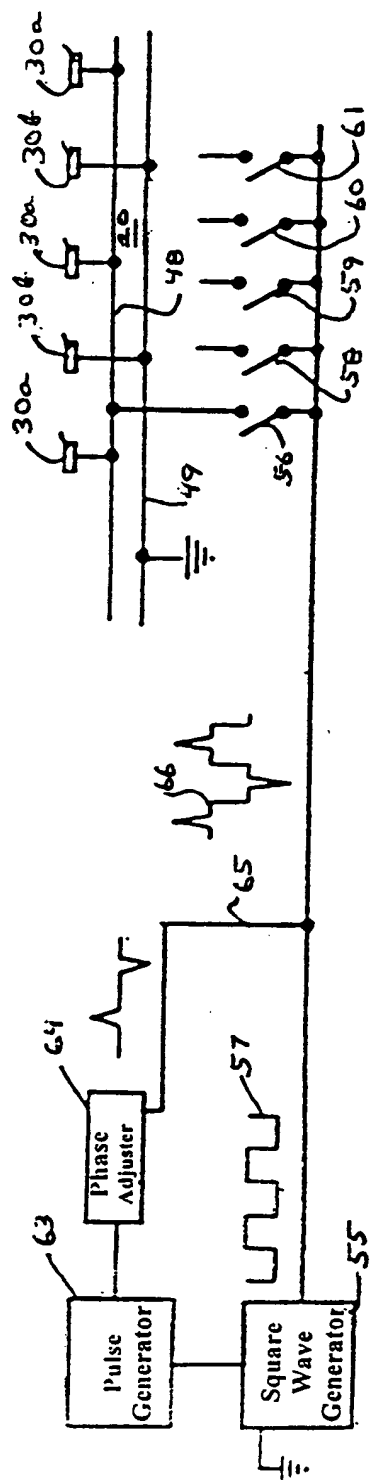
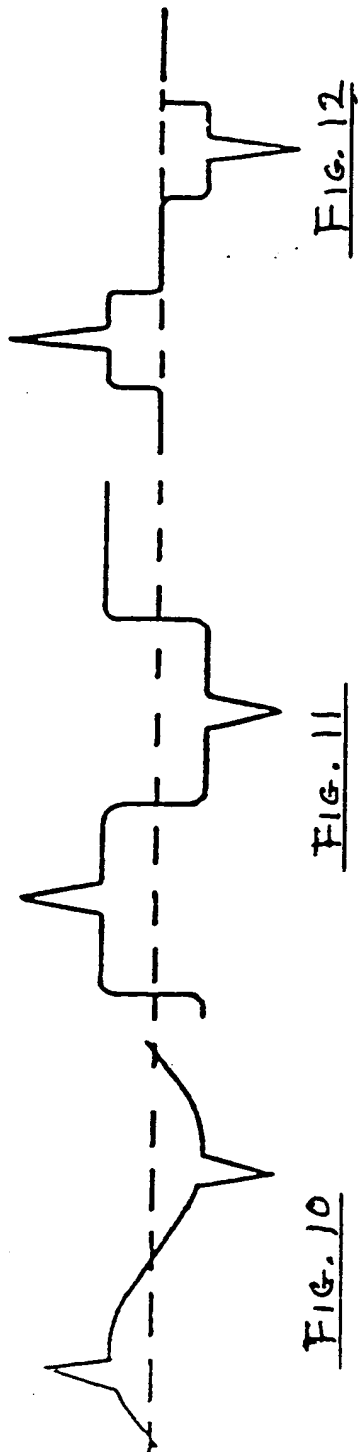


FIG. 9

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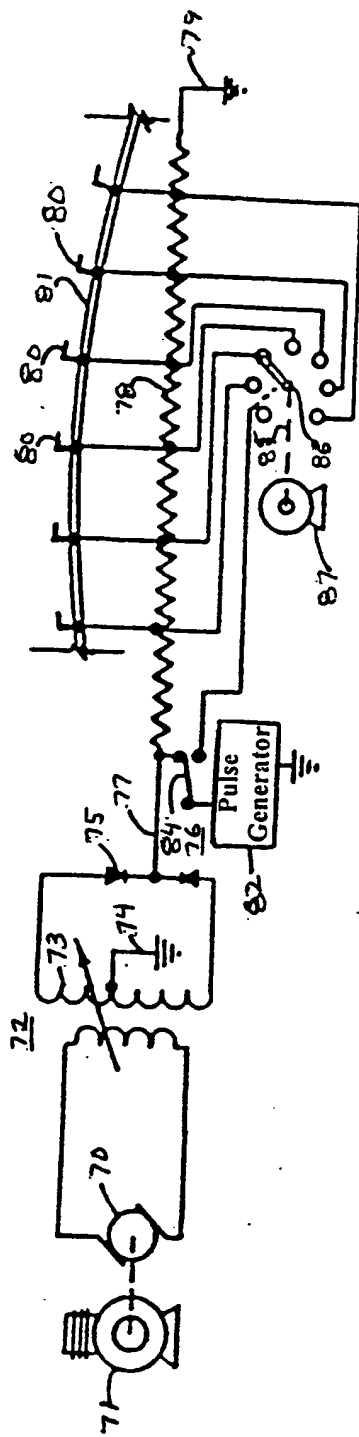


FIG. 13

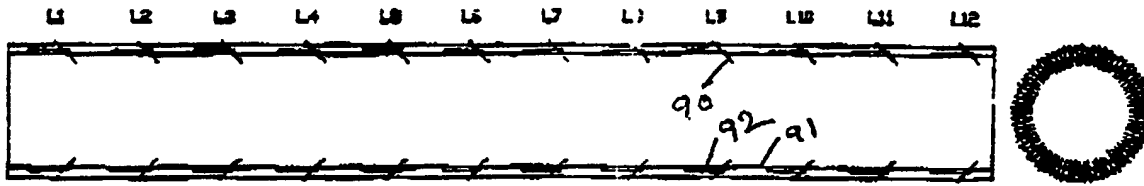


Fig. 14

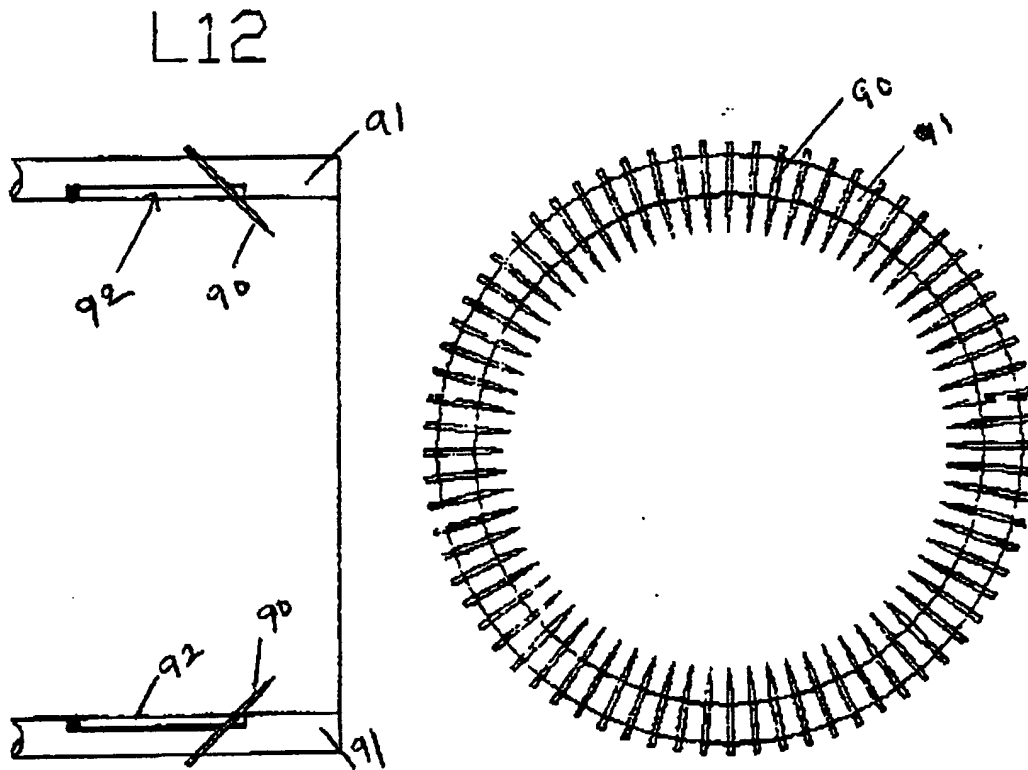


Fig. 14B

FIG 14A

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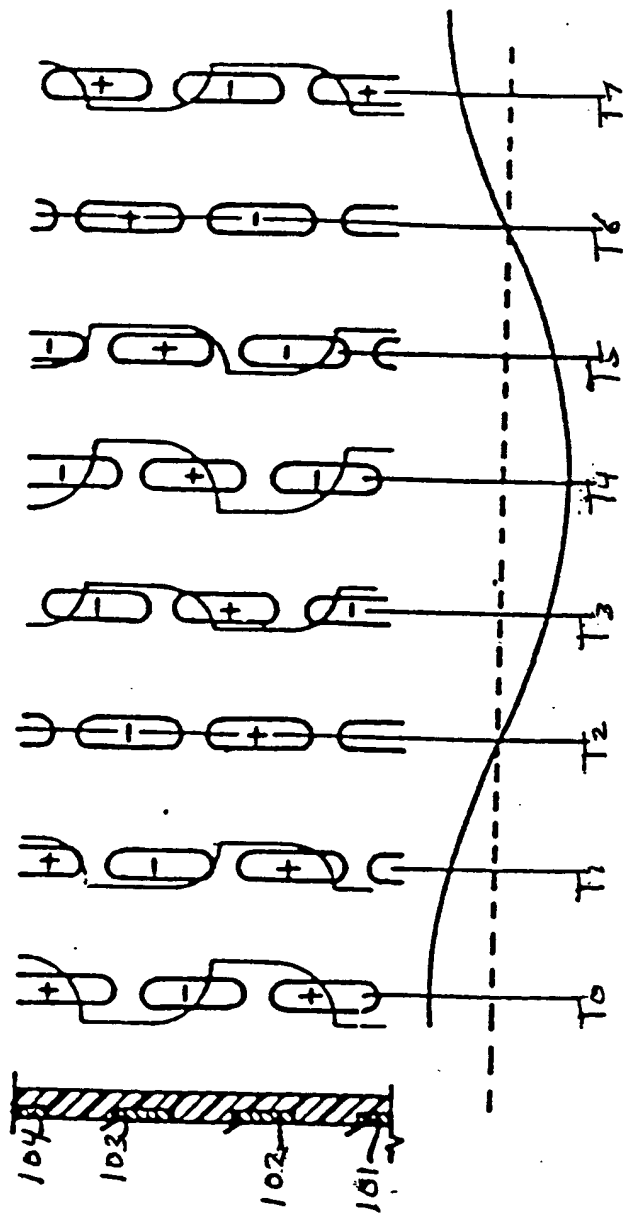
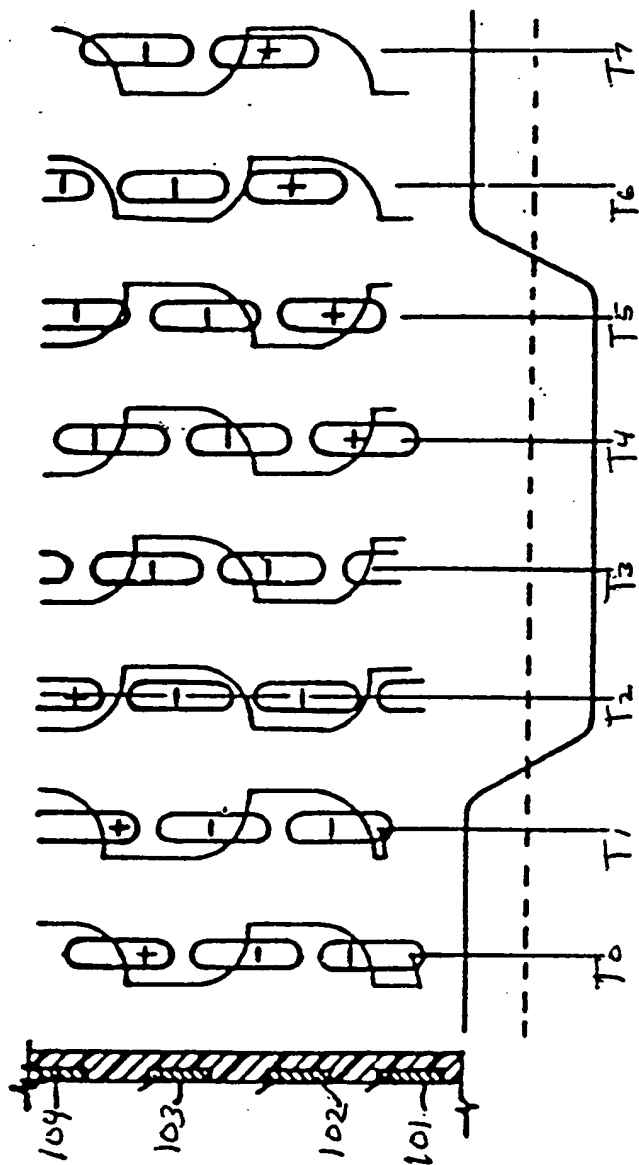


Fig. 15

[illegible]Fig. 16

09878654 061101

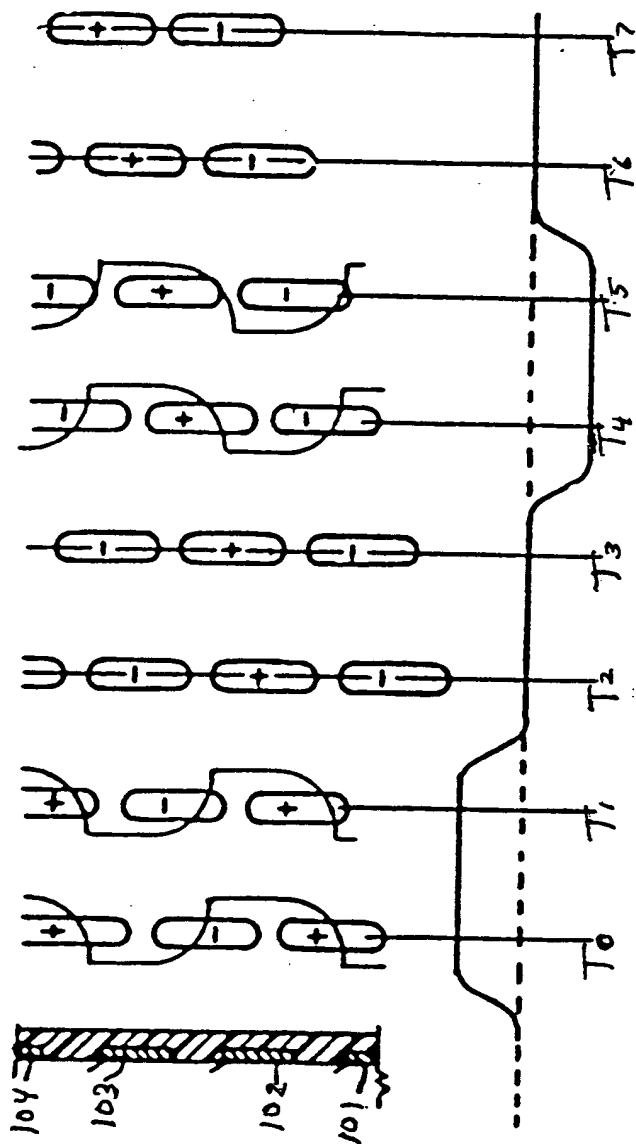


FIG. 17

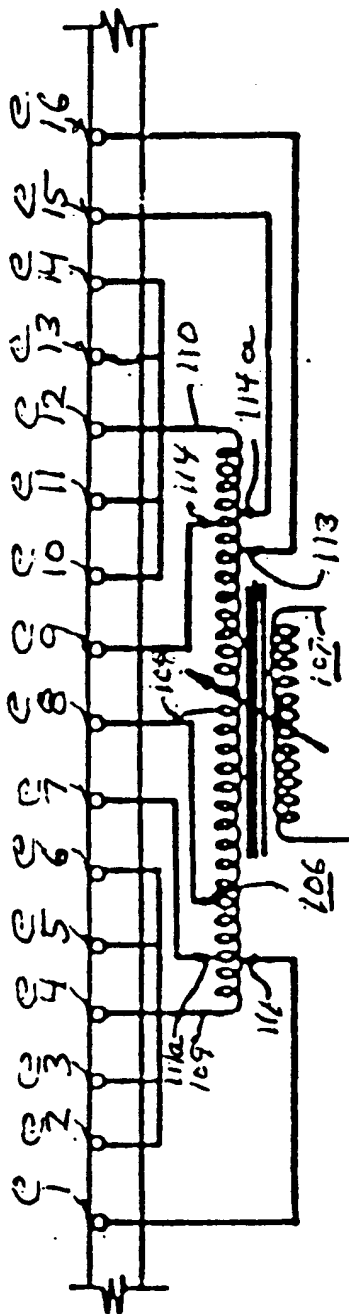


Fig. 18

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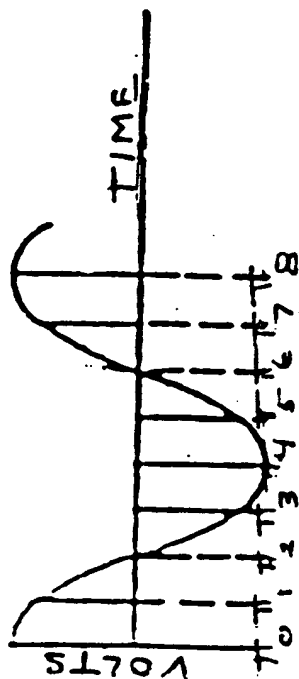


Fig. 20

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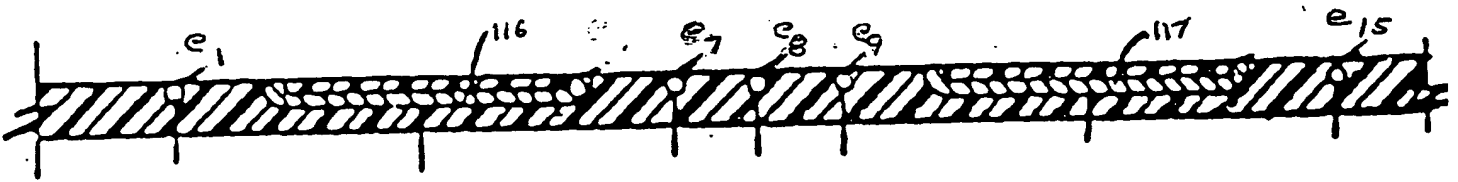


FIG. 21

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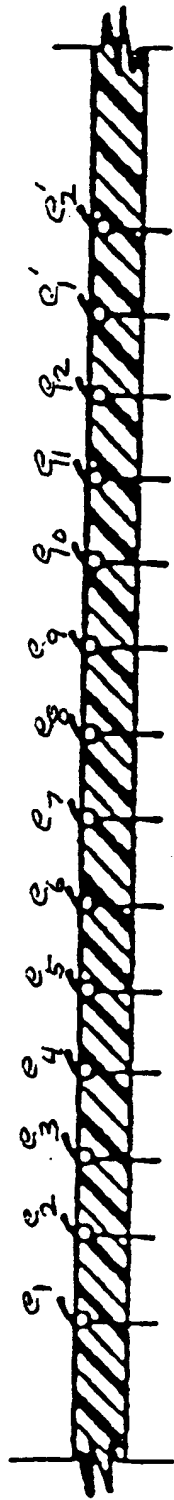


FIG. 22

TOP SECRET 4593/860

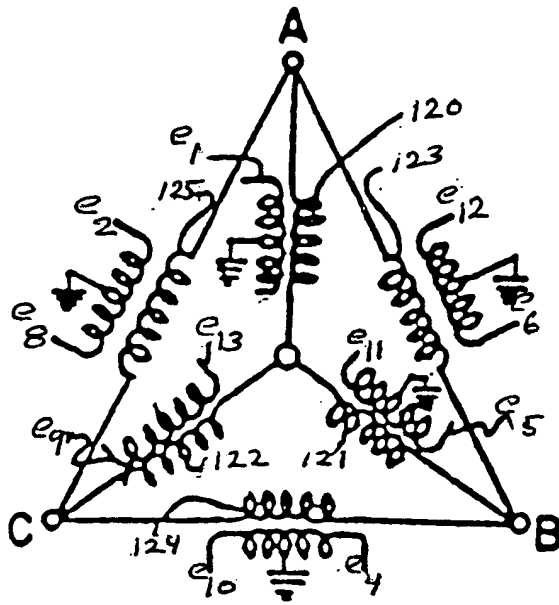


Fig. 23

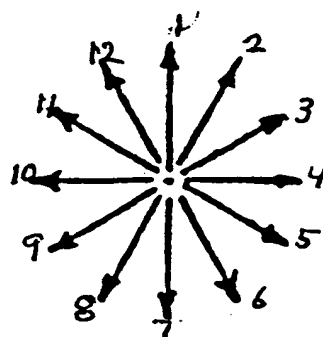


FIG. 24

09378654.051101

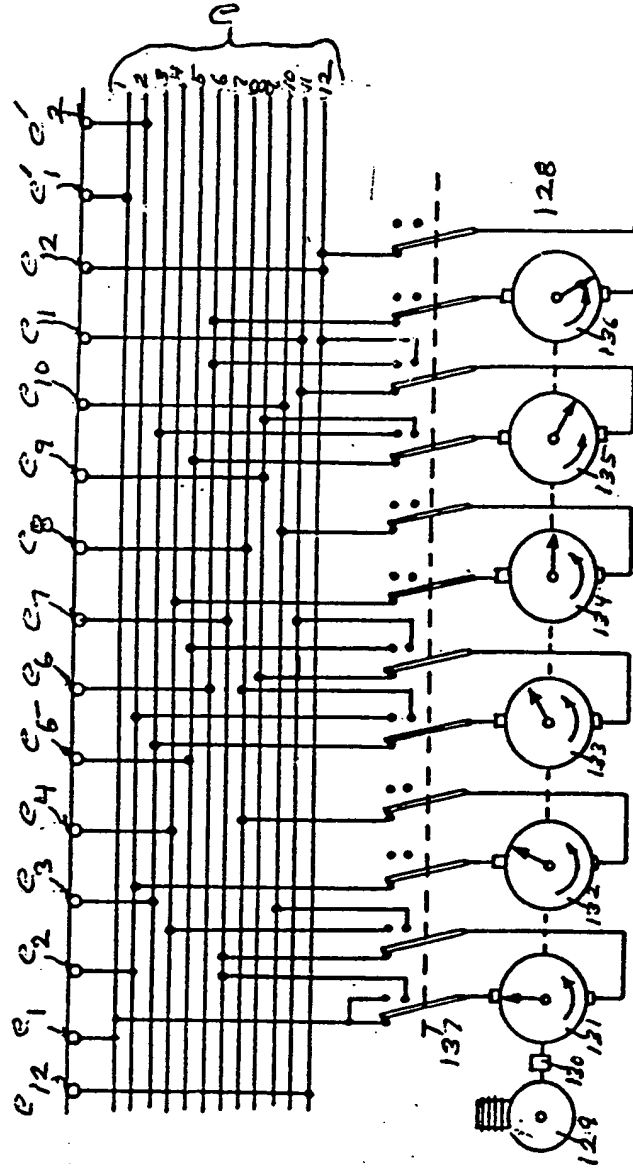


Fig. 25

0987865405101

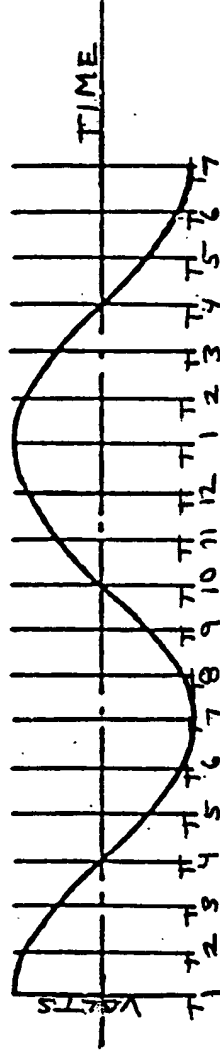


FIG. 26

09878654-051101

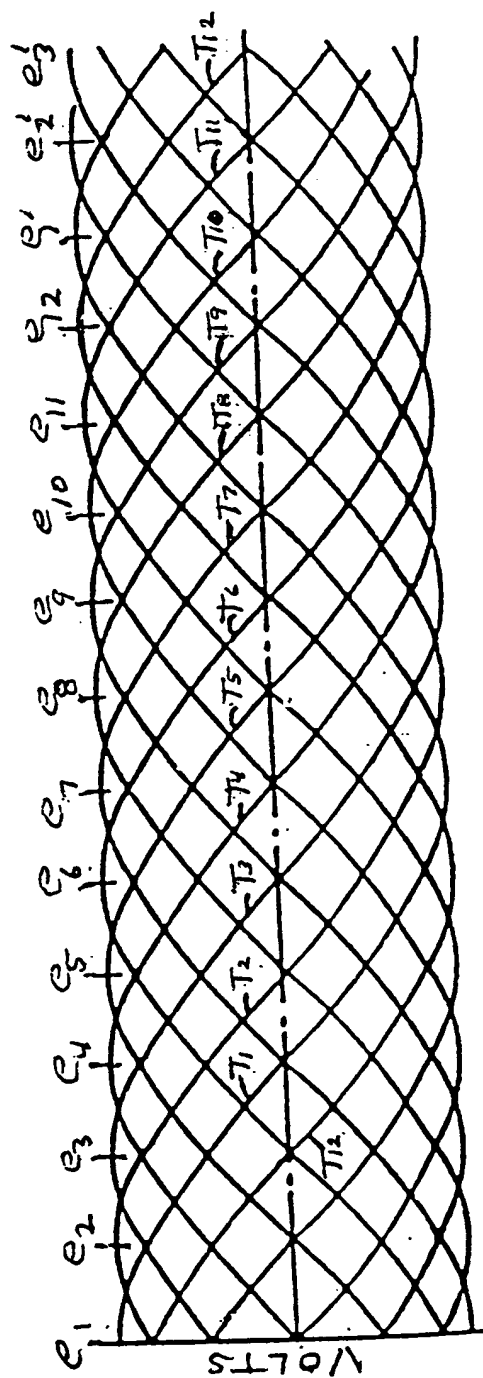


FIG. 27

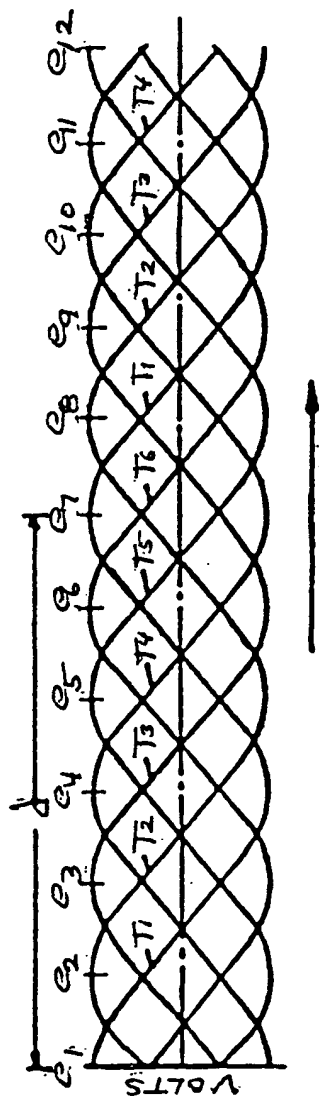


FIG. 28